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# DEPARTMENT OF THE ARMY

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JUSTIFICATION OF ESTIMATES FOR AMENDED FY 1988/1989 BIENNIAL BUDGET

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JUSTIFICATION OF ESTIMATES  
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Chief of Engineers ATTN: CECG 20 Massachusetts Ave Washington, D.C. 20314-1000	1	Program Manager, RCAS ATTN: AS-RCAS STOP C-13, Bldg 1469 Ft. Belvoir, VA 22060-5436	1	PEO, Close Combat Vehicle ATTN: AMCPEO-CCV Warren, MI 48090-5000	5

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DEPARTMENT OF THE ARMY

OTHER PROCUREMENT, ARMY

JUSTIFICATION OF ESTIMATES FOR AMENDED FISCAL YEARS 1988/1989 BIENNIAL BUDGET

TABLE OF CONTENTS

PAGE NO.

Section 1 - Budget Appendix Extract .....	5-1
Section 2 - Budget Activity Justifications .....	5-12
Section 3 - Comparison of Program Requirements and Financing, .....	5-22

OTHER PROCUREMENT, ARMY

Section 1

Budget Appendix Extract

Appropriation Language

Program and Financing Schedule

OTHER PROCUREMENT, ARMY

APPROPRIATION LANGUAGE

For construction, procurement, production, and modification of vehicles, including tactical, support, and nontracked combat vehicles; the purchase of not to exceed 6 vehicles for replacement only required for physical security of personnel notwithstanding price limitations applicable to passenger carrying vehicles, but not to exceed \$150,000 per vehicle and the purchase of not to exceed 206 passenger motor vehicles for replacement only; communications and electronic equipment; other support equipment; spare parts, ordnance, and accessories therefore; specialized equipment and training devices; expansion of public and private plants, including the land necessary therefore, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purpose. In all: \$4,774,000,000 of which \$732,000,000 shall be available only for the Army National Guard and Army Reserve; to become available for obligation on Oct 1 1988, and to remain available for obligation until September 30, 1991. (10 U.S.C. 2353.2361, 3013, 4531-32; Department of Defense Appropriation Act, 1988, as included in Public Law 100-202; additional authorizing legislation to be proposed.)



Army

Other Procurement, Army  
Program and Financing (in thousands of dollars) FISCAL YEAR 1983

Identification code	21-2035-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)		Obligations	
		1987 actual	1988 est.	1989 est.	1987 actual 1988 est. 1989 est.
Financing:					
17.0001	Recovery of prior year obligations				
	Unobligated balance available, start of year:				
21.4007	Reprogramming from/to prior year budget pla	-62.951			-62,951
22.4001	Unobligated balance transferred to other acc	62.951			62.951
39.0001	Budget authority				

Army

Other Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1985

Identification code	21-2035-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)		Obligations	
		1987 actual	1988 est. 1989 est.	1987 actual	1988 est. 1989 est.
Program by activities:					
Direct program:					
00.0101	Tactical and support vehicles			104,673	
00.0201	Communications and electronics equipment			180,847	
00.0301	Other support equipment			121,670	
00.9101	Total direct program			407,190	
01.0101	Reimbursable program			3,146	
10.0001	Total			410,336	
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)			1,047	
13.0001	Trust funds(-)			2,129	
17.0001	Recovery of prior year obligations			-77,929	
21.4002	Unobligated balance available, start of year:			-414,265	
21.4003	For completion of prior year budget plans			-45,400	
21.4007	Available to finance new budget plans				
22.4001	Reprogramming from/to prior year budget plan			59,130	
25.0001	Unobligated balance transferred to other acc			19,553	
	Unobligated balance lapsing				
40.0017	Budget authority (Appropriation rescinded)			-45,400	

Army

Other Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1986

Identification code	21-2035-0-1-051	Budget plan (amounts for PROCUREMENT actions programmed)			Obligations		
		1987 actual	1988 est.	1989 est.	1987 actual	1988 est.	1989 est.
Program by activities:							
Direct program:							
00.0101	Tactical and support vehicles				155,168	50,305	
00.0201	Communications and electronics equipment				615,555	258,686	
00.0301	Other support equipment				263,858	154,242	
00.9101	Total direct program				1,034,581	463,233	
01.0101	Reimbursable program				8,738	8,698	
10.0001	Total				1,043,319	471,931	
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)				7,041		
13.0001	Trust funds(-)				1,930		
17.0001	Recovery of prior year obligations				-139,890		
21.4002	Unobligated balance available, start of year:						
21.4003	For completion of prior year budget plans:						
21.4007	Available to finance new budget plans				-1,406,831	-453,131	
22.4001	Reprogramming from/to prior year budget plan				-172,100	-41,300	
22.4002	Unobligated balance transferred to other acc				-41,300		
22.4003	Unobligated balance available, end of year:				38,800	38,800	
24.4002	For completion of prior year budget plans						
24.4003	Available to finance subsequent year budget				453,131	41,300	
					41,300		
40.0017	Budget authority (Appropriation rescinded)				-133,300	-133,300	
					-133,300	-41,300	
							-41,300

Army

Other Procurement, Army  
Program and Financing (in thousands of dollars) FISCAL YEAR 1987

Identification code	21-2035-0-1-051	Budget plan (amounts for PROCUREMENT actions programmed)		Obligations	
		1987 actual	1988 est.	1987 actual	1988 est.
Program by activities:					
Direct program:					
00.0101	Tactical and support vehicles	733,014		652,003	42,430
00.0201	Communications and electronics equipment	2,974,851		2,491,597	217,569
00.0301	Other support equipment	1,241,835		830,113	160,901
00.9101	Total direct program	4,949,700		3,973,713	440,900
01.0101	Reimbursable program	402,548		373,520	29,028
10.0001	Total	5,352,248		4,347,233	469,928
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-380,516		-380,516	
13.0001	Trust funds(-)	-21,862		-21,862	
14.0001	Non-Federal sources(-)	-170		-170	
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans				-999,955
21.4003	Available to finance new budget plans		-81,954		-81,954
21.4007	Reprogramming from/to prior year budget plan	-5,060	5,060		
22.4001	Unobligated balance transferred to other acc		11,301		11,301
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans	81,954		999,955	535,087
24.4003	Available to finance subsequent year budget			81,954	
39.0001	Budget authority	5,026,594	-65,593	5,026,594	-65,593
Budget authority:					
40.0001	Appropriation	5,118,752		5,118,752	
40.0017	Appropriation rescinded		-65,593		-65,593
41.0001	Transferred to other accounts(-)	-94,560		-94,560	
42.0001	Transferred from other accounts	2,402		2,402	
43.0001	Appropriation (adjusted)	5,026,594	-65,593	5,026,594	-65,593

Army

Other Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1988

Identification code	21-2035-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations	
		1987 actual	1988 est.	1989 est.	1987 actual	1988 est. 1989 est.
Program by activities:						
Direct program:						
00.0101	Tactical and support vehicles		844,921		669,612	90,821
00.0201	Communications and electronics equipment		3,196,429		2,425,590	418,662
00.0301	Other support equipment		1,071,357		848,334	115,888
00.9101	Total direct program		5,112,707		3,943,536	625,371
01.0101	Reimbursable program		325,300		325,300	
10.0001	Total		5,438,007		4,268,836	625,371
Financing:						
Offsetting collections from:						
11.0001	Federal funds(-)		-288,800		-288,800	
13.0001	Trust funds(-)		-28,100		-28,100	
14.0001	Non-federal sources(-)		-8,400		-8,400	
21.4002	Unobligated balance available, start of year:					-1,169,171
22.4001	For completion of prior year budget plans		-8,790		-8,790	
22.4001	Unobligated balance transferred from other a					
24.4002	Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans					
39.0001	Budget authority		5,103,917		1,169,171	543,800
Budget authority:						
40.0001	Appropriation		5,093,549		5,093,549	
42.0001	Transferred from other accounts		10,368		10,368	
43.0001	Appropriation (adjusted)		5,103,917		5,103,917	

Army

Other Procurement, Army  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1989

Identification code	21-2035-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations	
		1987 actual	1988 est.	1989 est.	1987 actual	1988 est.
<b>Program by activities:</b>						
<b>Direct program:</b>						
00.0101	Tactical and support vehicles		895,671			702,906
00.0201	Communications and electronics equipment		2,981,181			2,265,332
00.0301	Other support equipment		897,148			702,447
00.9101	Total direct program		4,774,000			3,670,685
01.0101	Reimbursable program		357,700			357,700
10.0001	Total		5,131,700			4,028,385
<b>Financing:</b>						
<b>Offsetting collections from:</b>						
11.0001	Federal funds(-)		-321,200			-321,200
13.0001	Trust funds(-)		-28,100			-28,100
14.0001	Non-Federal sources(-)		-8,400			-8,400
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans					1,103,315
40.0001	Budget authority (Appropriation)		4,774,000			4,774,000

## Army

Other Procurement, Army  
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	21-2035-0-1-051	Budget Plan (amounts for PROCUREMENT actions programmed)			Obligations		
		1987 actual	1988 est.	1989 est.	1987 actual	1988 est.	1989 est.
Program by activities:							
Direct program:							
00.0101	Tactical and support vehicles	733,014	844,921	895,671	911,844	762,347	832,308
00.0201	Communications and electronics equipment	2,974,851	3,196,429	2,981,181	3,287,999	2,901,845	2,949,679
00.0301	Other support equipment	1,241,835	1,071,357	897,148	1,215,641	1,183,477	1,049,156
00.9101	Total direct program	4,949,700	5,112,707	4,774,000	5,415,484	4,847,669	4,831,143
01.0101	Reimbursable program	402,548	325,300	357,700	385,404	363,026	357,700
10.0001	Total	5,352,248	5,438,007	5,131,700	5,800,888	5,210,695	5,188,843
Financing:							
Offsetting collections from:							
11.0001	Federal funds(-)	-380,516	-288,800	-321,200	-372,428	-288,800	-321,200
13.0001	Trust funds(-)	-21,862	-28,100	-28,100	-17,803	-28,100	-28,100
14.0001	Non-Federal sources(-)	-170	-8,400	-8,400	-170	-8,400	-8,400
17.0001	Recovery of prior year obligations				-280,770		
21.4002	Unobligated balance available, start of year:				-1,821,096	-1,453,086	-1,704,258
21.4003	For completion of prior year budget plans	-217,500	-123,254		-217,500	-123,254	
21.4007	Available to finance new budget plans	-187,994	23,860		160,881	-16,289	
22.4001	Reprogramming from/to prior year budget plan	160,881	-16,289				
22.4001	Unobligated balance transferred to other acc						
24.4002	Unobligated balance available, end of year:				1,453,086	1,704,258	1,647,115
24.4003	For completion of prior year budget plans	123,254			123,254		
25.0001	Available to finance subsequent year budget	19,553			19,553		
25.0001	Unobligated balance lapsing						
39.0001	Budget authority	4,847,894	4,997,024	4,774,000	4,847,894	4,997,024	4,774,000
Budget authority:							
40.0001	Appropriation	5,118,752	5,093,549	4,774,000	5,118,752	5,093,549	4,774,000
40.0017	Appropriation rescinded	-178,700	-106,893		-178,700	-106,893	
41.0001	Transferred to other accounts(-)	-94,560			-94,560		
42.0001	Transferred from other accounts	2,402	10,368		2,402	10,368	
43.0001	Appropriation (adjusted)	4,847,894	4,997,024	4,774,000	4,847,894	4,997,024	4,774,000
Relation of obligations to outlays:							
71.0001	Obligations incurred, net				5,410,487	4,885,395	4,831,143
72.4001	Obligated balance, start of year				7,133,784	8,385,320	8,799,415
74.4001	Obligated balance, end of year				-8,385,320	-8,799,415	-8,984,558
77.0001	Adjustments in expired accounts				55,536		
78.0001	Adjustments in unexpired accounts				-280,770		

Army

Other procurement, Army  
Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2035-0-1-051	1987 actual	1988 est.	1989 est.
Direct obligations:				
Other services:				
125.004		888,138	987,492	793,353
126.001	Other	238,281	232,358	186,701
131.001	Supplies and materials	4,289,065	3,627,819	3,851,089
	Equipment			
199.001	Total Direct obligations	5,415,484	4,847,669	4,831,143
Reimbursable obligations:				
Other services:				
225.004		61,882	47,838	47,838
226.001	Other	16,603	11,256	11,256
231.001	Supplies and materials	306,919	303,932	298,606
	Equipment			
299.001	Total Reimbursable obligations	385,404	363,026	357,700
999.901	Total obligations	5,800,888	5,210,695	5,188,843



OTHER PROCUREMENT, ARMY

Section 2

Budget Activity Justification

Activity 1 - Tactical and Support Vehicles

Activity 2 - Communications and Electronics Equipment

Activity 3 - Other Support Equipment

Department of the Army		Appropriation		Amended	
Annual Budget Estimates				FY 1988/1989	
JUSTIFICATION		OTHER PROCUREMENT, ARMY		Budget	
(Thousands of Dollars)					
		Actual	Estimate	Initial	Change
		FY 1987	FY 1988	Estimate	FY 1989
Activity 1 - TACTICAL AND SUPPORT VEHICLES		773,014	844,921	FY 1989	+43,234
Direct Obligation or Direct Budget Plan				852,437	
					Amended Estimate
					FY 1989
					895,671

#### Section 1 - PURPOSE AND SCOPE

The funds provide for the procurement and manufacture of tactical and non-tactical vehicles and associated equipment. The tactical vehicles are of the type normally used by operations and support forces, and include prime movers and general purpose vehicles usually equipped with multi-wheel drive to satisfy cross country mobility needs. The non-tactical vehicles are of the administrative type which are generally equipped with two-wheel drive and are commercial in nature; included are such items as sedans, pickup trucks, carryalls and special purpose vehicles.

#### Section 2 - JUSTIFICATION OF FUNDS REQUESTED

##### Tactical Vehicles - (P-1 Line Item Nos. 1 - 18)

(\$ in Thousands)	
FY 1988	FY 1989
755,046	801,278

This category includes trucks, trailers, semitrailers, dolly sets and chassis designed for tactical use. The major vehicles in the FY 1989 amended budget request include 6,360 High Mobility Multi-purpose Wheeled Vehicles (HMMWV), 1,523 Ten Ton Trucks, and 3,104 Five Ton Trucks. The FY 1989 program for the 10 Ton Truck will fund the second year of the two year multiyear competitive contract. This procurement was directed by the FY 1988 Authorization Act, however, the department is requesting repeals of the provision since procurement would exceed inventory requirements.

The FY 1989 program for the Five Ton Truck funds the fourth year of our five year multiyear contract. These vehicles are required to fill some Active Army and Reserve Component shortages and provide for limited replacement of existing vehicles. These vehicles support the fielding of systems as TACMS, M1 series tanks, PATRIOT, MLRS, BFVS, GLLD/HELLFIRE, and APACHE attack Helicopter. FY 1989 provides Army funding for the Heavy Equipment Transporter required to haul the M1A1 Main Battle Tank. This program was funded in prior years with Host Nation Support and USMC funds.

Non-Tactical Vehicles - (P-1 Line Item Nos. 19-23)

	(\$ in Thousands)
FY 1988	39,810
FY 1989	18,007

This category includes three sub-categories of administrative type vehicles: Passenger Carrying Vehicles (sedans, station wagons, buses, and ambulances); General Purpose Vehicles (trucks, trailers, and semitrailers); Special Purpose Vehicles (maintenance, refuse and construction trucks). The FY 1989 program will provide for replacement of 185 Passenger Carrying Vehicles and 6 Heavy Armored Vehicles.

Support Equipment and Facilities - (P-1 Line Item Nos. 24 and 25)

	(\$ in Thousands)
FY 1988	50,065
FY 1989	76,386

This category includes spare parts for tactical and support vehicles. The requirement includes spare engines, transmissions, transfer cases and axles to support newly fielded as well as existing tactical vehicles.

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation		Amended	
	OTHER PROCUREMENT, ARMY		FY 1988/1989 Budget	

Program or Budget Project Account

(Thousands of Dollars)

Activity 2 - COMMUNICATIONS & ELECTRONICS EQUIP Direct Obligation or Direct Budget Plan	Actual	Estimate	Initial		Change	Amended Estimate
	FY 1987	FY 1988	Estimate		FY 1989	FY 1989
	2,974,851	3,196,429		FY 1989	FY 1989	FY 1989
				4,038,260	1,057,079	2,981,181

Section 1 - PURPOSE AND SCOPE

These funds provide for the procurement, manufacture and modification of communications and electronic equipment. Funds are included for satellite, radio, combat wire and strategic communications equipment and for communications security equipment. Funds are also included for signal intelligence electronic warfare equipment, night vision and target acquisition equipment, and command and control and automatic data processing equipment. Additional funds are included to procure supporting high dollar value depot repairable assemblies/components for initial provisioning and replenishment spares requirements and for depot rebuild facilities equipment and production base support of procured systems.

Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Telecommunications Equipment (P-1 Line Item Nos. 26-95)

(\$ in Thousands)	
FY 1988	FY 1989
1,586,967	1,768,460

The budget request of \$1,768,460 thousand in FY 1989 provides for the procurement of essential equipment supporting the Army's world-wide tactical and strategic communications requirements. This request includes \$50,656 thousand for equipment in support of U.S. CINCPAC communications and ELT requirements. The request of \$1,134,508 thousand for the Joint Tactical Communications Program continues the modernization of the Army's area communications capabilities, and includes \$995,700 thousand for the continued procurement of Mobile Subscriber Equipment. The request of \$299,846 thousand for Combat Support Communications will provide for the continued modernization of the Army's Combat Net Radio systems, and includes procurement of Single Channel Ground and Airborne Radio System (SINGARS) radios and Improved High-Frequency radios. The request amended \$119,143 thousand to modernize, expand the capacity, and increase the survivability of the ground segment of the Defense Satellite Communications System. The request will also fund the procurement of the Single Channel Objective Tactical Terminal. The request of \$87,333 thousand for Communications Security Equipment (COMSEC) will continue the procurement of essential equipment to ensure the security of critical data and voice communications links. The request includes \$24,966 thousand for Base Communications Equipment,

\$7,485 thousand for STARCOM Non-Defense Communications System equipment, and \$44,523 thousand for Test, Measurement and Diagnostic Equipment in support of telecommunications equipment, and a classified project.

Other Electronic Equipment (P-1 Line Items Nos. 96-179)

	( \$ in Thousands )
FY 1988	FY 1989
1,609,462	1,212,721

The budget request of \$1,212,721 thousand will procure other electronic equipment required to maintain essential intelligence/electronic warfare capabilities, to enhance target acquisition and surveillance capabilities, and to modernize and upgrade essential automatic data processing and command and control systems.

The request includes \$149,682 thousand for Intelligence Support Equipment, and includes funding for the continued production of the All-Source Analysis System (ASAS). The request includes \$17,605 thousand for the General Defense Intelligence Program (GDIP) and \$17,014 thousand for equipment in Electronic Warfare Equipment. The request of \$320,766 thousand for Automatic Data Processing Equipment will provide funding to enhance the Army's critical command and control networks, and includes continued funding for the Army Data Distribution System, Maneuver Control System, World-Wide Military Command and Control Information System, and the Advance Field Artillery Tactical Data System. The request also includes funding for initiation/expansion of tactical and sustaining base automatic data processing systems. The request of \$223,422 thousand for Tactical Electronics Equipment will continue the procurement of essential surveillance and target acquisition systems such as the Joint Surveillance Target Attack Radar System, as well as procuring other high-priority electronic equipment such as Night Vision Equipment and NAVSTAR user equipment. The request includes \$12,383 thousand in support of the Army Forces Radio and Television Service and other Army Audio-Visual activities. Funds of \$39,412 thousand for Test Measurement and Diagnostic Equipment for tactical electronics equipment. The request of \$358,903 provides procurement of initial provisioning, replenishment, and war reserve spare parts in support of communications and electronics equipment, for the procurement of high-payback productivity improvement projects, and for procurement of equipment in support of the production base. Funds of \$73,534 thousand provide for Special Programs.

Department of the Army Annual Budget Estimates JUSTIFICATION	Appropriation		Amended FY 1988/1989 Budget	
	OTHER PROCUREMENT, ARMY			
Program or Budget Project Account	(Thousands of Dollars)			
Activity 3 - OTHER SUPPORT EQUIPMENT	Actual FY 1987	Estimate FY 1988	Initial Estimate FY 1989	Change FY 1989 Amended Estimate FY 1989
	1,241,835	1,071,357	1,139,577	-242,429 897,148
Direct Obligation or Direct Budget Plan				

#### Section 1 - PURPOSE AND SCOPE

These funds provide for the procurement, manufacture, and conversion of chemical defensive, bridging, engineer (non-construction), combat service support, petroleum, water, medical, maintenance, construction, rail, float, containerization, generators, materiel handling, and other support equipment. The funds also provide for initial and replenishment spares and production base support associated with items in this budget activity.

#### Section 2 - JUSTIFICATION OF FUNDS REQUESTED

Chemical Defensive Equipment (P-1 Line Item Nos. 180-186)	(\$ in Thousands)	
	FY 1988	FY 1989
	71,230	25,243

This category includes chemical-biological individual and collective protection, detection and warning, and decontamination equipment. The funds requested will continue procurement of the new XM40 series mask, collective protective equipment, the chemical agent monitor, and a lightweight decontamination apparatus necessary for U. S. forces to operate in a chemical environment.

Bridging Equipment (P-1 Line Item Nos. 187-193)

(\$ in Thousands)	
FY 1988	
<u>30,271</u>	FY 1989
	<u>693</u>

The FY 1989 program will be used to procure cargo pallets for the Ribbon Bridge system.

Engineer (Non-Construction) Equipment (P-1 Line Item Nos. 194-204)

(\$ in Thousands)	
FY 1988	FY 1989
<u>101,141</u>	<u>83,580</u>

This category provides funding for mine/countermine equipment and the Armored Combat Earthmover (ACE). The FY 1989 program continues procurement of the ACE which is required by combat engineers to provide essential support to the combat units and also provides for the acquisition of the Mine Clearing Roller which is used by tank battalions to detonate mines, and the Mine Detecting Set used to locate metallic anti-personnel and anti-tank mines. FY 1989 also continues procurement of the Clear Lane Marking System, which will provide a currently nonexistent capability to support the tank mission requirement to breach mine fields and the Mine Plow which will be used by forward deployed armor units to rapidly breach mine fields.

Combat Service Support Equipment (P-1 Line Item Nos. 205-215)

(\$ in Thousands)	
FY 1988	FY 1989
<u>68,076</u>	<u>59,430</u>

This category provides for the acquisition of various combat support equipment items. The FY 1989 programs include various size/capacity air conditioners required to support major systems such as aviation maintenance shops, missile systems and communications and electronics shops. Also included are continuing programs for firetrucks, diving equipment, heaters, trailer mounted laundry units and the Mobile Field Kitchen. In addition, FY 1989 initiates the multiyear procurement of the modular field kitchen. Equipment procured in this category must operate in all weather conditions in field environments.

Petroleum Equipment (P-1 Line Item Nos. 216-224)

(\$ in Thousands)	
FY 1988	FY 1989
<u>63,794</u>	<u>58,227</u>

This category includes equipment necessary for the storage and distribution of fuel. The FY 1989 program provides for the continued acquisition of the 10,000 and 50,000 gallon fabric collapsible tanks to be used at fuel system supply points and for bulk petroleum storage. FY 1989 programs continue procurement of the SWA Petroleum Distribution System, which includes bulk storage tanks, hoses, pumps, and mooring systems required to support the Army's mission of distributing bulk petroleum to all Central Command (CENTCOM) land-based forces; petroleum laboratories used in quality surveillance of fuels; and tank and pump units used to refuel ground units in any area of operation.

Water Equipment (P-1 Line Item Nos. 225-232)

(\$ in Thousands)	
FY 1988	FY 1989
<u>46,397</u>	<u>17,139</u>

This category includes water support equipment required to provide a capability for production, purification, storage and distribution of water. The FY 1989 programs continue to provide for the acquisition of the equipment in support of the long-range Phase II water equipment procurement program to support the Central Command (CENTCOM) and modernization of the total Army's water support capability. In order to provide purification capability, programs continue for the 3,000 gallon per hour Reverse Osmosis Water Purification Units (ROWPU). The FY89 program also includes procurement of the 3,000 gallon fabric tank for water storage following purification.

Medical Equipment (P-1 Line Item Nos. 233-235)

(\$ in Thousands)	
FY 1988	FY 1989
<u>178,900</u>	<u>165,292</u>

Medical equipment funding provides for the procurement of equipment to support both Army fixed medical activities and field medical units worldwide. This category finances the acquisition of medical care support equipment needed to support Army fixed medical activities. It provides for the initial equipping of approved major medical MCA construction and renovation/modernization projects; the replacement of uneconomically repairable and obsolete equipment; the acquisition of new technologies essential to modern health care; and equipment for drug abuse testing laboratories, environmental pollution monitoring, and



clinical investigation of significant health care problems. This category also procures medical equipment for the initial issue to new or existing tactical field medical units in the approved force structure; procurement of field medical equipment to be placed in POMCUS; and the acquisition of field medical investment equipment to replace worn out, obsolete or uneconomically repairable equipment. Programmed funds will equip and modernize the field medical force, hospitals, and other medical field units. (This is in compliance with Defense Guidance and reduces serious Army equipment shortages which prevent meeting field medical support missions). Many of the items being procured for field medical units are the same as items being procured by other services as a result of the current Quad Services Standardization Program. In addition, this category funds Electrical Generator/Environmental Control Systems, one- and two-sided expandable tactical shelters, and two- and eight-section extendable, modular, personnel (TEMPER) tents for use by Army Combat Zone Hospitals.

Maintenance Equipment (P-1 Line Item Nos. 236-243)

(\$ in Thousands)	
FY 1988	FY 1989
19,570	6,137

This category includes numerous types of maintenance equipment necessary to perform maintenance on all equipment in the field. Examples include welding shops and electrical repair shops. FY 1989 funds will provide for the procurement of the Trailer Mounted Welding Shop. The FY89 program will significantly increase the readiness of maintenance units in the Army, and directly impact the readiness of our combat forces.

Construction Equipment (P-1 Line Item Nos. 244-250)

(\$ in Thousands)	
FY 1988	FY 1989
47,789	44,076

The FY 1989 funds requested will continue the standardization program of Construction Equipment with continued procurement of the Small Emplacement Excavator (SEE). In addition, the FY89 funds will provide for various types of construction equipment required to fill shortages of active and reserve component units.

(\$ in Thousands)	
FY 1988	FY 1989
32,300	55,886

Rail, Float, Containerization (P-1 Line Item Nos. 251-256)

This category provides for procurement of watercraft to meet the Logistics-Over-The-Shore (LOTS) movement of tonnage in support of Central Command (CENTCOM). The FY 1989 programs continue the multiyear procurement of the Landing Craft Utility (LCU) which provides capability to transport cargo, troops, and vehicles from ship to shore. The FY 1989 programs also includes funds for causeways required to ferry cargo from ship to fixed pier facility, in support of LOTS operation.

(\$ in Thousands)	
FY 1988	FY 1989
44,248	29,637

Generators (P-1 Line Item Nos. 257)

These funds are required to provide generators and power units of varying sizes and capacities, primarily designed to provide power sources for electrical lighting and communications and computer systems for a variety of combat (eg., missile and weapon systems) and combat support units. The program supports both the acquisition of power sources for combat and combat support equipment currently being acquired and fielded. The FY 1989 programs continue efforts to dieselize the fleet and to provide quiet reliable commercial generators.

(\$ in Thousands)	
FY 1988	FY 1989
57,821	28,922

Material Handling Equipment (P-1 Line Item Nos. 258-264)

These programs are essential to fill shortages created by worn-out, over-aged equipment that degrade readiness. FY 1989 programs continue procurement of the 65 Ton Crane, which is used for ammunition and cargo handling and also the productivity-enhancing 6,000 pound Variable Reach Forklift.

Other Support Equipment (P-1 Line Item Nos. 265-274)

	( \$ in Thousands )
FY 1988	FY 1989
309,820	322,886

This category continues funding in several major areas. It provides Spare Parts and Production Base Support which support the procurement programs in this Budget Activity; the Host Nation Support (HNS) program which improves our capability to rapidly reinforce Europe in an emergency; funds for procurement of training devices, including such initiatives as procurement of new standardized systems for our ranges and laser engagement simulation systems for our new weapon systems. These training devices will directly improve combat soldier readiness in that the individual can be trained on a simulated battlefield and gain the needed experience to fight on a modern battlefield; and funds for non-centrally managed items (formerly Base Level Commercial Equipment (BCE), Productivity Enhancing Capital Investment Program (PECIP), and Quick Return On Investment Program (QRIP)), with a unit price of \$15,000 and more.

Section 3

Comparison of Program Requirements and Financing

Comparison of FY 1988 program requirements as reflected in the FY 1988/1989 budget with FY 1988 program requirements as shown in the FY 1988/1989 amended budget.

Comparison of FY 1988 financing as reflected in the FY 1988/1989 budget with FY 1988 financing as shown in FY 1988/1989 amended budget.

Comparison of FY 1987 program requirements as reflected in the FY 1988/1989 budget with FY 1987 program requirements as shown in the FY 1988/1989 amended budget.

Comparison of FY 1987 financing as reflected in the FY 1988/1989 budget with FY 1987 financing as shown in the FY 1988/1989 amended budget.

COMPARISON OF FY 1987 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1988/1989 BUDGET WITH THE  
FY 1987 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988/1989 AMENDED BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

Appropriation: OTHER PROCUREMENT, ARMY	Total Program Requirements		Program Requirements		Increase (+) or Decrease (-)
	Per FY 1988/1989 Budget	Per FY 1988/1989 Budget	Per FY 1988/1989 Budget	Amended Budget	
Activity 1 - Tactical and Support Vehicles		773,800	733,014		- 40,786
Activity 2 - Communications and Electronics Equipment		2,996,481	2,974,851		- 21,630
Activity 3 - Other Support Equipment		1,288,652	1,241,835		- 46,817
TOTAL		5,058,933	4,949,700		109,233

Explanation of Changes:

1. Tactical and Support Vehicles (Activity 1). Net decrease of \$40,786 thousand results from: \$40,000 thousand rescission and a below threshold reprogramming action which transferred .786 thousand out of OPA 1.
2. Communications and Electronics Equipment (Activity 2). Net decrease of \$21,630 thousand results from: \$24,000 thousand rescission; \$18,140 net decrease for formal reprogramming actions and \$20,510 net increase for below threshold reprogramming actions into OPA 2.
3. Other Support Equipment (Activity 3). Net decrease of \$46,817 thousand results from: \$1,593 thousand rescission; \$23,557 net decrease for formal reprogramming actions and \$21,667 net decrease for below threshold reprogramming out of OPA 3.

COMPARISON OF FY 1987 FINANCING AS REFLECTED  
IN THE FY 1988/1989 BUDGET WITH THE FY 1987 FINANCING  
AS SHOWN IN FY 1988/1989 AMENDED BUDGET

Appropriation:	(In Thousands of Dollars)			Increase (+) or Decrease (-)
	OTHER PROCUREMENT, ARMY	Financing Per FY 1988/1989 Budget	Financing Per FY 1988/1989 Amended Budget	
Offsetting Collections		-484,500	-402,548	-81,952
Unobligated Balance Available, Start of Year: Available to Finance New Budget Plan Reprogramming From/To Prior Year		-217,500 + 18,800	-217,500 -187,994	-0- -169,194
Unobligated Balance Transferred To Other Accounts		+ 20,000	+160,881	+140,881
Unobligated Balance Rescinded: Appropriation		+178,800	-0-	+178,800
Unobligated Balance Available End of Year: Available to Finance Subsequent Budget		-0-	+123,254	+123,254
Unobligated Balance Lapsing		-0-	+ 19,553	+ 19,553

Explanation of Changes:

Offsetting Collections decreased because orders from Federal sources were less than projected.

The Unobligated Balance Available at the Start of the Year varies because of program changes and changes in the Treasury code structure. This structure change now spreads the \$178,800 associated with an FY 1987 Congressional rescission for FY 1985 and FY 1986 to reprogramming from/to the prior year budget plan. Other differences resulted from reprogramming for foreign currency fluctuation and new FY 1985 reprogrammings into the MPA and OMA appropriations, and a significant increase in reprogramming from the FY 1986 appropriation.

The Unobligated Balance Available at the End of the Year variance resulted from an FY 1988 Congressional rescission for FY 1987 and FY 1986. At the end of FY 1987 \$19,553 of FY 1985 funds lapsed.

COMPARISON OF FY 1988 PROGRAM REQUIREMENTS  
AS REFLECTED IN FY 1988/1989 BUDGET WITH  
FY 1988 PROGRAM REQUIREMENTS AS SHOWN IN FY 1988/1989 AMENDED BUDGET

SUMMARY OF REQUIREMENTS (In Thousands of Dollars)				
Appropriation: OTHER PROCUREMENT, ARMY	Total Program Requirements		Program Requirements	
	Per FY 1988/1989 Budget	Per FY 1988/1989 Budget	Per FY 1988/1989 Amended Budget	Increase (+) or Decrease (-)
Activity 1 - Tactical and Support Vehicles	870,560	844,921		- 25,639
Activity 2 - Communications and Electronics Equipment	3,843,313	3,196,429		-646,884
Activity 3 - Other Support Equipment	1,156,987	1,071,357		- 85,630
TOTAL	5,870,860	5,112,707		-758,153

Explanation of Changes:

1. Tactical and Support Vehicles (Activity 1). Net decrease of \$25,639 thousand results from reductions made during final congressional action on the FY 1988 budget request.
2. Communications and Electronics Equipment (Activity 2). Net decrease of \$646,884 thousand results from reductions made during final congressional action on the FY 1988 budget request.
3. Other Support Equipment (Activity 3). Net decrease of \$85,630 thousand results from reductions made during the final congressional action on the FY 1988 budget request.

COMPARISON OF FY 1988 FINANCING AS REFLECTED  
IN THE FY 1988/1989 BUDGET WITH FINANCING  
AS SHOWN IN FY 1988/1989 AMENDED BUDGET

Appropriation:	(In Thousands of Dollars)			
	OTHER PROCUREMENT, ARMY	Financing Per FY 1988/1989 Budget	Financing Per FY 1988/1989 Amended Budget	Increase or Decrease
Offsetting Collections		-325,300	-325,300	-0-
Unobligated Balance Available, Start of Year:				
Available to Finance New Budget Plan			-123,254	-123,254
Reprogramming From/To Prior Year Budget Plan			+ 23,860	+ 23,860
Unobligated Balance Transferred to Other Accounts			- 16,289	- 16,289

Explanation of Differences:

The adjustments consists of a FY88 congressional rescission of \$41,300 against FY86 and \$65,593 against FY87 and several reprogramming actions as follows:

FY 86: A large scale computer for +\$18,800

FY 87: Support for an Air Force classified reprogramming and a transfer to the Army RDTE appropriation for test ranges of \$9,661.

FY 89: A super computer being funded from the ADP Management Fund administration.



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